



Water-Data Report CA-2005

11237700 PITMAN CREEK NEAR TAMARACK MOUNTAIN, CA

San Joaquin River Basin

LOCATION.--Lat 37°11'57", long 119°12'51" referenced to North American Datum of 1927, in NW ¼ NW ¼ sec.35, T.8 S., R.25 E., Fresno County, Hydrologic Unit 18040006, in Sierra National Forest, on right bank, 400 ft downstream from Huntington-Shaver Conduit Tunnel, 0.9 mi downstream from confluence of Tamarack and South Fork Tamarack Creeks, 1.3 mi upstream from mouth, and 1.8 mi east of town of Big Creek.

DRAINAGE AREA.--23.0 mi².

WATER-DISCHARGE RECORDS

PERIOD OF RECORD.--October 1986 to December 1995, April to November 1996, March 1997 to current year.

GAGE.--Acoustic-velocity meter. When spill occurs, water-stage recorder and concrete control with V-notch sharp-crested weir. Elevation of gage is 7,000 ft above NGVD of 1929, from topographic map.

REMARKS.--Most of flow is diverted upstream from station at Pitman Creek Shaft below Tamarack Creek (station 11237600) to Huntington-Shaver Conduit. See schematic diagram of lower San Joaquin River Basin.

COOPERATION.--Records were collected by Southern California Edison Co., under general supervision of the U.S. Geological Survey, in connection with Federal Energy Regulatory Commission project nos. 67 and 120.

EXTREMES FOR PERIOD OF RECORD.--Maximum daily discharge unknown, Jan. 2, 1997; no flow Feb. 15 to Apr. 4, 1991, estimated no flow Dec. 5-8, 2004.

11237700 PITMAN CREEK NEAR TAMARACK MOUNTAIN, CA—Continued

DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2004 TO SEPTEMBER 2005
DAILY MEAN VALUES
[*e*, estimated]

Day	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
1	0.16	0.46	e0.29	0.56	0.59	0.59	0.57	191	539	13	1.1	0.92
2	0.16	0.46	e0.23	0.57	0.58	0.59	0.58	129	513	13	1.1	0.86
3	0.17	0.46	e0.17	0.57	0.58	0.59	0.58	0.86	448	13	1.1	0.81
4	0.16	0.46	e0.11	0.57	0.59	0.59	0.57	0.85	446	12	1.1	0.78
5	0.15	0.47	e0.00	0.57	0.59	0.56	0.57	1.1	414	11	1.1	0.79
6	0.15	0.47	e0.00	0.57	0.59	0.56	0.58	0.88	282	11	1.1	0.8
7	0.14	0.47	e0.00	0.57	0.59	0.56	0.60	0.82	18	11	1.1	0.77
8	0.15	0.48	e0.00	0.57	0.59	0.57	0.58	0.86	5.0	11	1.1	0.74
9	0.14	0.48	e0.18	0.57	0.59	0.57	0.59	1.2	6.2	11	1.1	0.74
10	0.16	0.48	0.77	0.57	0.58	0.58	0.59	0.87	12	11	1.1	0.83
11	0.16	0.48	0.81	0.58	0.59	0.58	0.59	0.79	13	10	1.1	0.91
12	0.17	0.48	0.68	0.58	0.59	0.59	0.59	0.83	13	10	1.1	0.93
13	0.15	0.48	0.56	0.57	0.59	0.58	e21	0.95	15	10	1.1	0.92
14	0.15	0.48	0.56	0.57	0.59	0.58	72	1.1	14	10	1.1	0.9
15	0.15	0.48	0.56	0.57	0.59	0.57	90	18	15	10	1.1	0.85
16	0.15	0.48	0.56	0.57	0.59	0.57	120	321	15	10	1.1	0.77
17	0.30	0.48	0.56	0.57	0.60	0.56	149	271	14	9.4	1.1	0.76
18	0.42	0.46	0.56	0.58	0.60	0.56	163	104	15	9.4	1.1	0.77
19	0.45	0.46	0.56	0.58	0.60	0.56	145	133	14	9.1	1.1	0.75
20	0.47	0.46	0.56	0.58	0.59	0.56	114	61	14	5.5	1.1	0.72
21	0.47	0.46	0.56	0.58	0.59	0.56	117	74	15	1.1	1.1	0.93
22	0.47	0.46	0.56	0.58	0.60	0.56	130	57	15	1.2	1.1	0.96
23	0.47	0.54	0.57	0.58	0.60	0.56	116	25	14	1.2	1.1	0.84
24	0.46	0.47	0.56	0.58	0.60	0.56	118	37	14	1.2	1.1	0.74
25	0.46	0.45	0.57	0.58	0.59	0.55	109	84	14	1.1	1.1	0.73
26	0.46	0.46	0.56	0.59	0.59	0.55	134	103	14	1.1	1.1	0.78
27	0.46	0.46	0.57	0.59	0.59	0.57	164	165	14	1.1	1.1	1.1
28	0.47	0.46	0.56	0.59	0.59	0.56	154	333	14	1.1	1.1	1.1
29	0.46	0.46	0.57	0.58	---	0.56	130	556	14	1.1	1.1	1
30	0.46	0.34	0.56	0.58	---	0.56	156	497	13	1.1	1	0.92
31	0.46	---	0.56	0.58	---	0.57	---	529	---	1.1	0.99	---
Total	9.21	13.99	13.92	17.85	16.55	17.63	2,208.99	3,699.11	2,966.2	222.8	33.89	25.42
Mean	0.30	0.47	0.45	0.58	0.59	0.57	73.6	119	98.9	7.19	1.09	0.85
Max	0.47	0.54	0.81	0.59	0.60	0.59	164	556	539	13	1.1	1.1
Min	0.14	0.34	0.00	0.56	0.58	0.55	0.57	0.79	5.0	1.1	0.99	0.72
Ac-ft	18	28	28	35	33	35	4,380	7,340	5,880	442	67	50

STATISTICS OF MONTHLY MEAN DATA FOR WATER YEARS 1987 - 2005, BY WATER YEAR (WY)

	Oct	Nov	Dec	Jan	Feb	Mar	Apr	May	Jun	Jul	Aug	Sep
Mean	0.58	0.82	0.88	1.17	2.14	7.73	23.1	36.7	43.0	14.9	0.92	0.56
Max	1.61	1.74	1.50	2.17	8.31	37.1	126	265	506	132	6.17	2.92
(WY)	(1999)	(1990)	(1990)	(1990)	(2002)	(2004)	(1997)	(1995)	(1998)	(1998)	(1998)	(1998)
Min	0.13	0.31	0.40	0.37	0.35	0.00	0.53	0.63	0.42	0.38	0.16	0.13
(WY)	(1989)	(1991)	(2002)	(2002)	(1991)	(1991)	(2003)	(2003)	(2004)	(2004)	(1994)	(1987)

11237700 PITMAN CREEK NEAR TAMARACK MOUNTAIN, CA—Continued**SUMMARY STATISTICS**

	Calendar Year 2004	Water Year 2005	Water Years 1987 - 2005	
Annual total	1,691.95	9,245.56		
Annual mean	4.62	25.3	10.4	
Highest annual mean			56.5	1998
Lowest annual mean			0.79	1991
Highest daily mean	106 Mar 22	556 May 29	762 May 16, 1996	
Lowest daily mean	0.00 Dec 5	0.00 Dec 5	0.00 Feb 15, 1991	
Annual seven-day minimum	0.07 Dec 3	0.07 Dec 3	0.00 Feb 15, 1991	
Annual runoff (ac-ft)	3,360	18,340	7,570	
10 percent exceeds	4.5	73	3.4	
50 percent exceeds	0.47	0.59	0.95	
90 percent exceeds	0.16	0.46	0.22	

